

10/528516

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : Ala Sharaiha et al.

Appln. No.: 10/528,516

Filed : March 18, 2005

For : BROADBAND HELICAL ANTENNA

Docket No.: U16.12-0005

Group Art Unit:

**RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF APPLICATION - FILING DATE GRANTED  
UNDER 37 C.F.R. §§ 1.53(f) AND 1.16(e)**

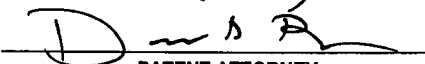
01/19/2006 HXAYPAGH 00000054 10528516

01 FC:2617

65.00 OP

**Mail Stop Missing Parts**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VA 22313-1450, THIS

11 DAY OF January, 2006  
  
PATENT ATTORNEY

Sir:

In response to the Notice to File Missing Parts of application - Filing Date Granted dated November 21, 2005, Applicant encloses the following documents to complete the above-identified patent application filed March 18, 2005:

1. PTO-2038 in the amount of \$65.00 (to cover the surcharge fee of \$65).
2. Combined Declaration and Power of Attorney executed by the inventor(s).
3. Fee Calculation Sheet (duplicate).
4. Notice to File Missing Parts of Application-Filing Date Granted.
5. International Preliminary Examination Report in English.

6. International Search Report and Information Disclosure Statement.

The Director is authorized to charge payment of any additional fees associated with this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,  
WESTMAN, CHAMPLIN & KELLY, P.A.

By: David D. Brush

David D. Brush, Reg. No. 34,557  
Suite 1400 - International Centre  
900 Second Avenue South  
Minneapolis, Minnesota 55402-3319  
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DDB:tkj

# FEE TRANSMITTAL

## For FY 2005

*Complete if Known*

Application Number	10/528,516
Filing Date	March 18, 2005
First Named Inventor	Ala Sharaiha et al.
Examiner Name	

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$ 65)	Art Unit	
		Attorney Docket Number	U16.12-0005

**METHOD OF PAYMENT** (Check all that apply)

☐ Check    ☒ Credit Card    ☐ Money Order    ☐ None    ☐ Other (Please Identify): \_\_\_\_\_  
☒ Deposit Account - Deposit Account Number: 23-1123    Deposit Account Name: Westman, Champlin and Kelly  
 For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  
☐ Charge fee(s) indicated below    ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s)    ☒ Credit any overpayments  
 under 37 CFR 1.16 and 1.17

Warning: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	<b>1000</b>
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
19	- 20 or HP = 0	50	0	

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
1	- 3 or HP = 0	200	0

HP = highest number of independent claims paid for, if greater than 3

#### 3. APPLICATION SIZE FEE

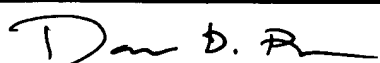
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or Fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
30	- 100 = 0	/ 50 = 0 (round up to a whole number) x	250	0

#### 4. OTHER FEE(S)

Other Fee(s)	Fee(s) Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	-
Other: Surcharge Declaration Fee	65

#### SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	34,557	Telephone: 612-334-3222
Name (Print/Type)	David D. Brush			Date: <u>January 11, 2006</u>



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
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www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/528,516	Ala Sharaiha	U16.12-0005

INTERNATIONAL APPLICATION NO.
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PCT/FR03/02774

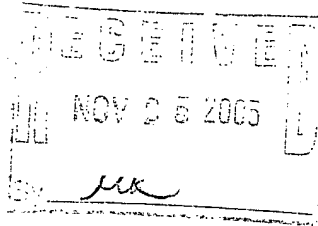
I.A. FILING DATE	PRIORITY DATE
09/10/2003	09/20/2002

CONFIRMATION NO. 4371

371 FORMALITIES LETTER



\*OC000000017493298\*



WESTMAN CHAMPLIN & KELLY, P.A.  
SUITE 1400 - INTERNATIONAL CENTRE  
900 SECOND AVENUE SOUTH  
MINNEAPOLIS, MN 55402-3319

Date Mailed: 11/21/2005

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- o Indication of Small Entity Status
- o Copy of the International Application filed on 03/18/2005
- o Copy of the International Search Report filed on 03/18/2005
- o Copy of IPE Report filed on 03/18/2005
- o Preliminary Amendments filed on 03/18/2005
- o Small Entity Statement filed on 03/18/2005
- o Request for Immediate Examination filed on 03/18/2005
- o Copy of references cited in ISR filed on 03/18/2005
- o U.S. Basic National Fees filed on 03/18/2005
- o Priority Documents filed on 03/18/2005
- o Power of Attorney filed on 8/2005

DOCKETED	11/21/05
RESPONSE DUE	1-21-06
CALENDARED	
CHECKED BY ATTY	3-21-06

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- o Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- o To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

DEBORAH D WILLIAMS

Telephone: (703) 308-9140 EXT 205

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/528,516	PCT/FR03/02774	U16.12-0005

FORM PCT/DO/EO/905 (371 Formalities Notice)